

Abstract of the Disclosure

A capacitor includes an upper electrode formed by physical vapor deposition and chemical vapor deposition. The upper electrode of the capacitor may include a first upper electrode formed by chemical vapor deposition and a second upper electrode formed by physical vapor deposition. Alternatively, the upper electrode may include a first upper electrode formed by physical vapor deposition and a second upper electrode formed by chemical vapor deposition. The upper electrode of the capacitor is formed through two steps using chemical vapor deposition and physical vapor deposition. Therefore, the upper electrode can be thick and rapidly formed, whereby electrical characteristics of the upper electrode are not deteriorated.